Philip Morris USA Confidential

Report Date.: 07/18/97 09:55 AM

Request....: 19707 Submitter ...:

Request Type: ci Activity : 7A14

Reported By...: LAFFOON, SUSAN Date Submitted:

Date Received.: 07/01/97

Date Completed: Approved By...: NOT APPROVED

Description .:

* DATA HAS NOT HAD FINAL REVIEW/APPROVAL: SUBJECT TO CHANGE *

	CL6	CM	6 \ \			
Test Categories/Tests	<u>Average</u>	StdDev N	Average	StdDev	N	
Smoke		0.32	1 1====================================			
FTC Tar, mg/cigt.	11.1	0.32 8	7/			•
FTC TPM, mg/clgt.	13.6	0,44 8) complete			
FTC Nicotine, mg/cigt.	0.92	0 040 8	InTest			
FTC Water, mg/cigt.	1.58	0(.200/8	InTest			
FTC Puffs/cigt.	8.5	0.25/8	8.8	0.19	7	
Tar/Puff, mg	1.3	~ ***T(<i>]</i>)		0,44,5	•	
Cigarette	7	\sim				
Total RTD, mm of H2O		6,9 25	115	8.1	25	
Static Burn Time, min.	~ ~ ~ ~ ~ ~	0.93 4	9.2	0.41	4	
Length, mm	84.0	0.18 10	83.9	0.14	10	
Circumference, mm	24.83	0.027 10	24.89	0.157	10	
Paper		9.021 20	24.03	0.107	10	
Permeability, CORESTA Units	39) 1.9 5	30	3.1	4	
Filter		2.5 5	50	٦.1	*2	
RTD, mm of H2O	101	8.5 25	63	4.7	25	
Length, mm	27.2	0.16 10	20.9	0.18	10	
Weight, g	0.15	0.10 10	0.12	0.10	10	
Ventilation, %	23	2.5 24	10	2,1	25	
Filler	() x 3	2.5 24	10	∠,⊥	25	
Total Alkaloids, % (DWB)	2,24		2.02			
Total Red. Sugars, % (DV	8.7		8.2			
Reconstituted Tob., %	25		25			
Expanded Stems, %	25					
Expanded Tob., %) 5	Arra Company	10			
BBO, 8			0			-
Lamina, %	74		53	•		
Tobacco Weight, g	0.610		0.759			
Tobacco (Weight, g/ (12.5%) OV)	0.600		0.756			
Rod Density g/cc	0.215	÷	0.756			
Rod Length mm	56.8					
Oven Volatiles & (Equil.)	13.9		63.0 12.8			
Menthol	13.5		14.0			
Smoke, mg/cigt.						
TPM, mg/cigt.						
Puffs/Cigt.						
Menthol/Puff, mg						
Humectant/Plasticizer						
Triacetin in Filter,%	9.2		10.6			
Glycerin in Filler, %	2.7		10.6			
PG in Filler,%	1.2		2.4			
Firmness (Pack)	1.2		0.3			
Firmness, mm	3.32	0 002 2	0 04		_	
Tobacco Weight, q	0.706	0.093 3 0.0040 3	2.81	0.117	3	
Oven Volatiles, %	13.12		0.757	0.0026	3	
Oram votactica, a	1.3.12	0.045 3	13.03	0.059	3	

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		aver \						
Test Categories/Tests	СМ6В	Average	StdDev	N G	M26//	Average	StdDev	
Smoke		11701440	Deaber	*** /	1	\ INVELUGE	Beaber	
FTC Tar, mg/cigt.				(1)	_	\\		
FTC TPM, mg/cigt.		20.0	1,05	8//) complete		
FTC Nicotine, mg/cigt.		Complete	-//	/,//		InTest		
FTC Water, mg/cigt.		3.76	0(.455/	/ 8/ ·	>	InTest		
FTC Puffs/cigt.		8.2	0/1/4/	/ ¥ >>		8.6	0.27	7
Tar/Puff, mg			~~ ° 7′(<i>7)</i>			0.27	,
Cigarette		(/	-/ ('					
Total RTD, mm of H20		~ 1\frac{1}{2}	5,7			115	6.5	25
Static Burn Time, min.		~ × × 2 g	0.64	4		8.1	0.38	3
Length, mm		82.8	0.29	10		83.9	0.21	10
Circumference, mm		24.60	9.033	10		24.85	0.093	10
Paper	,		V			24.05	0.055	10
Permeability, CORESTA Units	_{-}(23	0.3	4		32	1.7	4
Filter				-			2.,	-7
RTD, mm of H2O	$\sim \lambda(C)$	60	3.0	25		95	5.2	25
Length, mm	. (1)	20.6	0.17	10		26.8	0.15	10
Weight, q	\wedge	0.11	0.47			0.15	0.13	±υ
Ventilation, %	/////	7	2.0	2.3		22	2.8	25
Filler	,	<i>`</i>				2.5	2.0	23
Total Alkaloids, % (DWB)		2,02				2.34		
Total Red. Sugars, % (DWB)	$// \sim$	7.4				8.8		
Reconstituted Tob., % (())	$_{\wedge}$ \rangle	- 21				24		
Expanded Stems, %	,)	.						
Expanded Tob., %	' /	10				5		
BBO, %	/	10 				ō		
Lamina, %		<u> </u>		.~	* **	- ₇₁		
Tobacco Weight, g		0.707				0.713		
Tobacco (Weight, /g/ (12.5%) OV)		0.703				0.702		
Rod Density g/gc		0.235				0.250		
Rod Length mm/		62.1				57.1		
Oven Volatiles, % (Equil.)		13.0				13.8		
Menthol \								
Smoke, mg/cigt.∨								
TPM, mg/cigt.								
Puffs/Cigt.								
Menthol/Puff, mg								
Humectant/Plasticizer				-				
Triacetin in Filter,%		9.8				8.7		
Glycerin in Filler,%		2.1				2.9		
PG in Filler,%		0.3				1.2		
Firmness (Pack)						- · - -		
Firmness, mm		2.75	0.106	3		2.94	0.147	3
Tobacco Weight, g		0.713	0.0086	3		0.713	0.0128	3
Oven Volatiles, %		12.71	0.128	3	-	13.10	0.125	3
		TZ . / L	0.120	J		T3.T0	0.125	

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* DATA HAS NOT	HAD FINAL REVIE	W/APPROVA	L: SUBJECT	TO CHANGE *		
	_				<u> </u>	
<u>Test Categories/Tests</u>	DL6	0± 45	DL.6M	\		
Smoke	<u>Average</u>	Studev	$\frac{N}{2}$	Average	<u>StdDev</u>	N
FTC Tar, mg/cigt.			(11)	<u> </u>		
FTC TPM, mg/cigt.	Complete			/]		
FTC Nicotine, mg/cigt.	_ 0.55	,	/2//			
FTC Water, mg/cigt.	Complete	7/446	$\rangle_{\chi} \langle \rangle \rangle$	✓ InTest		
FTC Puffs/cigt.	7.3		\bigvee	InTest		
Tar/Puff, mq	7.3	0.21.8/	1	6.9	0.17	8
Cigarette		\sim	J) .			
Total RTD, mm of H20	< 136	6,3	25			
Static Burn Time, min.	~ × 2,9			123	6.2	25
Length, mm	(83.)		4	7.7	0.86	4
Circumference, mm	24.89		10 10	83.3	0.13	10
Paper	24.83	9.000	10	25.01	0.082	10
Permeability, CORESTA Units	20	2.7	F			
Filter		V 2.1	5	26	1.6	5
RTD, mm of H2O	708	4.0				
Length, mm	27.1		25	_101	6.3	25
Weight, g	0.16		10	26.8	0.25	10
Ventilation, %	23		25	0.16		
Filler		2.1	25	22	2.7	25
Total Alkaloids, % (DWB)	_ 1.78			1 70		
Total Red. Sugars, % (DWB)	9.2			1.72		
Reconstituted Tob., %	> 22			10.0		
Expanded Stems, %	18			- 19		
Expanded Tob., %	19			15		
BBO, %		2 * *		_ 16		
Lamina, %	41			. 0	-	
Tobacco Weight, g	0.645			50		
Tobacco (Weight, g) (12.5%) OV)	0.638			0.637		
Rod Density g/gc	0.226			0.628		
Rod Length nim	56.8			0.223		
Oven Volatiles, % (Equil.)	13,5			56.6		
Menthol	13.5		0	13.7		
Smoke, mg/cigt.						
TPM, mg/cigt.				0.34	0.016	8
Puffs/Cigt.	===			10.3	0.44	8
Menthol/Puff, mg				7.0	0.22	8
Humectant/Plasticizer	-			0.05		
Triacetin in Filter, %	8.8					
Glycerin in Filler, %	3.1			9.0		
PG in Filler, %	0.4			3.3		
Firmness (Pack)	0.4			0.5		
Firmness, mm	3.10	0 110	3	A		
Tobacco Weight, g	3.10	0.112	3	3.05	0.260	3

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Tobacco Weight, g

Oven Volatiles, %

Page

13.81

0.644

3 of

0.0079

0.140

25

3

0.647 0.0032

0.044

3

13,66

plabavg

PRODUCT TESTING LABORATORY Preliminary Laboratory Averages Report

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	DT8						
Test Categories/Tests	<u>Average</u>	StdDev	N Drom	Average	Ct-dDaw		
Smoke		<u> Deaber</u>	** /	'\ Average	<u>stubev</u>	<u>N</u>	
FTC Tar, mg/cigt.			(1))\ 9.9	0.55	9	
FTC TPM, mg/cigt.	12.4	0.44	10)) 11.9	0.69	9	
FTC Nicotine, mg/cigt.	Complete		120	0.67	0.049	و. 9	
FTC Water, mg/cigt.	1.54	0(.449/	'\10\ \	1.36	0.168	9	
FTC Puffs/cigt.	9.0	0/22/		9.0	0.23	9	
Tar/Puff, mg		~ ~7~(7/	1.1	0.23	9	
Cigarette	(/	// ()	~/				
Total RTD, mm of H2O	< 125	6,3	25	<u> </u>	6.4	25	•
Static Burn Time, min.	16 K V	0.22	4	7.6	0.15	4	
Length, mm	98.9	0.25	10	98.7	0.18	10	
Circumference, mm	24.94	9.091	10	24.92	0.048	10	
Paper		× · · · ·		24.52	0.040	'	-
Permeability, CORESTA Units	26	0.9	4	26	1.9	5	
Filter				- 20	4.2	J	
RTD, mm of H2O	95	5.2	25	97	6.6	25	
Length, mm	30.8	0.13	10	31.1	0.25	10	
Weight, g	√ 0,18			0.18	0.25	0	
Ventilation, %	25	2.1	25	28	2.8	25	
Filler				20	2.0	<i>23</i>	
Total Alkaloids, % (DWB)	1.81			1.81			
Total Red. Sugars, % (DWB)	9.9			10.1			
Reconstituted Tob., %	→ 21			19			
Expanded Stems, %				15			
Expanded Tob., %	18			18			
BBO, %	0						
Lamina, &	43			49			
Tobacco Weight, g	0.762			0.766			
Tobacco Weight, g (12.5% OV)	0.750			0.761			
Rod Density g/cc	0.223			0.227			
Rod Length, mm	68.1			67.7			
Oven Volatiles % (Equil.) Menthol	13.8			13.1			
Smoke, mg/cigt.							
TPM, mg/ciqt.				0.40	0.021	8	
Puffs/Cigt.				12.1	0.48	8	
Menthol/Puff, mg				8.8	0.15	7	
Humectant/Plasticizer				0.05			
Triacetin in Filter,%				2.00			
Glycerin in Filler,%	8.3			8.2			
PG in Filler,%	3.1			3.1			
Firmness (Pack)	0.4			0.4			
Firmness, mm			_				
Tobacco Weight, g	3.14	0.083	3	3,26	0.031	3	
Oven Volatiles, %	0.775	0.0067	3	0.771	0.0095	3	
Oven votacties, a	13.75	0.254	3	13.47	0.060	3	

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	D06	,	^BQ6M\\	
Test Categories/Tests	Average	StdDev N	Average	StdDev N
Smoke	arrowade	Deadley A	4 VICTURE	Beabey N
FTC Tar, mg/cigt.	12.5	0.36		
FTC TPM, mg/cigt.	16.5	0,44 8	complete	
FTC Nicotine, mg/cigt.	0.78	0 037 8	InTest	
FTC Water, mg/cigt.	3,22	0(.296/8	InTest	
FTC Puffs/cigt.	7.9	0.713/ 8	8.0	0.20 8
Tar/Puff, mg	1.6	~ ~7()/	J 0.0	0.20 0
Cigarette		\sim		
Total RTD, mm of H20	A 14 6	7,3 24	108	5.8 25
Static Burn Time, min.	✓ × × × × × × × × × × × × × × × × × × ×	0.28 4	7.4	0.58 4
Length, mm	₹. 83. ×	0.17 10	84.4	0.22 10
Circumference, mm	24.86	0.055 10	24.93	0:050 10
Paper		9.002 20	21,50	0.050 10
Permeability, CORESTA Units	25	0.4 5	22	1.7 5
Filter			12	4. , 3
RTD, mm of H2O	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	4.9 25	64	3,6 25
Length, mm	20.8	0.38 10	20.7	0.21 10
Weight, q	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	3,3-	0.11	0.22 10
Ventilation, %	// // 9	1.7 22	12	1.8 25
Filler				1.0 20
Total Alkaloids, % (DWB)	1.82		1.82	
Total Red. Sugars, % (DWB)	10.2		9.6	
Reconstituted Tob., % (/)/	÷ 27			
Expanded Stems, %	. Š 73 – 1Īs		15	
Expanded Tob., % //	<u>, 1</u> 8	**	$\overline{17}$	
BBO, \$	0			
Lamina,%	40		47	
Tobacco Weight, g	0.719		0.702	
Tobacco (Weight, g/ (12.5%) OV)	0.707		0.692	
Rod Density g/cc	0.228		0.220	
Rod Length nm	62.9		63.7	
Oven Volatiles % (Equil.)	13.9		13,7	
Menthol				
Smoke, mg/cigt.∨	~ 		InTest	
TPM, mg/cigt.			Complete	
Puffs/Cigt.			7.6	0.29 7
Menthol/Puff, mg				
Humectant/Plasticizer	-		· · · · · · · · · · · · · · · · · · ·	
Triacetin in Filter,%	9.4		9.8	
Glycerin in Filler,%	3,1		3.0	
PG in Filler,%	0.4		0.4	
Firmness (Pack)			7	
Firmness, mm	3.28	0.150 3	3.24	0.076 3
Tobacco Weight, g	0.719	0.0080 3	0.706	0.0078 3
Oven Volatiles, %	13.66	0.131 3	13.14	0.182 3

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	DO8_	\\M80d\\				
<u> Test Categories/Tests</u>	Average StdDe		Average	StdDev	N	
Smoke		<u> </u>	12702495	beabey		
FTC Tar, mg/cigt.	12.0 0.	55 9	\\ 12.6	0.42	8	
FTC TPM, mg/cigt.		79 9)) 15,5	0.68	8	
FTC Nicotine, mg/cigt.	0.77 0,0	35 9	0.80	0.032	8	
FTC Water, mg/cigt.	1.83 06.2		2.12	0.032	8	
FTC Puffs/cigt.		26/ 3	8.8	0.20	8	
Tar/Puff, mg	1.4	7(1)	1.4	0.22	ġ	
Cigarette			. 1 . 4			
Total RTD, mm of H2O		1 24	120		0.5	
Static Burn Time, min.		13 4	7.2	7.1 0.53	25 3	
Length, mm		15 10	98.6	0.53	3 10	
Circumference, mm		37 10	24.89	0.17		
Paper		. 10	24.09	0.048	10	
Permeability, CORESTA Units	24 1	8 5	0.7	2 -	_	
Filter	1	0 5	27	2.5	5	
RTD, mm of H2O	80 4	.8 25	7.5			
Length, mm		32 10	.75	4.1	25	
Weight, g	0.16	32 10	30.7	0.29	10	
Ventilation, %	1 1	.7 22	0.16			
Filler	// /> *** *	1 22	11	2.7	25	
Total Alkaloids, % (DWB)	1,86					
Total Red. Sugars, % (DWB)	8.8	•	1.75			
Reconstituted Tob., %	= 21		10.4			
Expanded Stems, %	14	er =	21			
Expanded Tob., %	18	* ×	15			
BBO, 8						
Lamina, %	47	en le service de la company	::7_0			
Tobacco Weight, g	0.756		_48			
Tobacco (Weight, g/ (12.5%) OV)			0.768			
Rod Density g/oc	0.748		0.754			
Rod Length num	0.220		0.226			
Oven Volatiles % (Equil.)	68.2 13.4		67.8			
Menthol	13.4		14,1			
Smoke, mg/cigt.						
TPM, mg/cigt.			0.46	0.025	8	
Puffs/Cigt.	-		16.0	0.35	8	
Menthol/Puff, mg			8.7	0.16	8	
Humectant/Plasticizer			0.05			
Triacetin in Filter, %	0.6					
Glycerin in Filler,%	9.6		9.2			
PG in Filler,%	3.0		2.9			
Firmness (Pack)	0.4		0.4			
Firmness, mm	2 46 0 0	0= 0				
Tobacco Weight, q	3.46 0.20	_	3.38	0.093	3	
Oven Volatiles, %	0.767 0.009 13.85 0.1		0.777	0.0020	3	
	13.85 0.1	73 3	13.95	0.191	3	

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PRODUCT TESTING LABORATORY Preliminary Laboratory Averages Report

Philip Morris USA Confidential

Report Date.: 07/18/97 09:55 AM

Request....: I9707

Submitter...:

Request Type: ci Activity : 7A14 Reported By...: LAFFOON, SUSAN Date Submitted:

Date Received.: 07/01/97

Date Completed:

Approved By ...: NOT APPROVED

Description .:

*	DATA	HAS	NOT	HAD	FINAL	REVIEW	/APPROVAL:	SHRIECE	ΨO	CHANCE	*
										CILLIA	

_		^			
<u>Test</u> Categories/Tests	DU6	<u> </u>	` 		_
Smoke	<u>Average</u> Sto	lDev N	Average	StdDev N	_
FTC Tar, mg/cigt.		$\langle A \rangle$			
FTC TPM, mg/cigt.	Gamm 1 - + -	\ \	//		
FTC Nicotine, mg/cigt.	Complete				
FTC Water, mg/ciqt.	InTest	$(() \setminus ())$	\checkmark InTest		
	InTest	$(C//N_{\sim})$	InTest		
FTC Puffs/cigt. Tar/Puff, mg	8.0	0.71.5/ 8/	9.0	0.13	5
Cigarette		$\langle \langle \langle \langle \langle \rangle \rangle \rangle \rangle$			
Total RTD, mm of H2O	a: a(
	<> <95	7 9 25	118	9.6 25	;
Static Burn Time, min.	8 1	0.63 4	7.4	0.36 4	L
Length, mm	83.5	0.23 10	99.2	0.21 - 10)
Circumference, mm	24.96	.062 10	24.99	0.033 10)
Paper				•	
Permeability, CORESTA Units	(\ 25>	2.2 4	26	4.6 5	;
Filter					
RTD, mm of H2O	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	6.0 25	137	7.9 25	,
Length, mm		0.15 10	30.7	0.15 10)
Weight, g	∨ 0.15		0.17		
Ventilation, %	() () 60	3.2 25	54	5.2 25	j
Filler	<u> </u>				
Total Alkaloids, % (DWB)	1,92	n	1.77		
Total Red. Sugars, % (DWB)	√ = 9.8		9.3		
Reconstituted Tob., %	√ _ 23				
Expanded Stems, %	14		15		
Expanded Tob., %	18		_ 18		
BBO, %	2 20		. 0		
Lamina, %	46		45		
Tobacco Weight, g	0.636		0.767		
Tobacco (Weight,)g/(12.5% OV)	0.630		0.759		
Rod Density g/oc	0.224		0.223		
Rod Length nm	56.7		68.4		
Oven Volatiles, % (Equil.)	13.3		13.4		
Menthol					
Smoke, mg/cigt.∨					
TPM, mg/cigt.					
Puffs/Cigt.					
Menthol/Puff, mg			·	•	
Humectant/Plasticizer		Ŧ			
Triacetin in Filter,%	7.6		8.5		
Glycerin in Filler,%	3.0		2.9		
PG in Filler,%	0.4		0.4		
Firmness (Pack)	_		0.1		
Firmness, mm	3.23 0	.055 3	3.32	0.275 3	
Tobacco Weight, g		0074 3	0.767	0.0075 3	
Oven Volatiles, %		.127 3	13.62	0.047 3	
		, -	10.02	V+V+/ 3	

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Date Received.: 07/01/97

Date Completed: 0//01/9

Approved By...: NOT APPROVED

Description.:

* DATA HAS NOT HAD FINAL REVIEW/APPROVAL: SUBJECT TO CHANGE *

	GPC6-BW			<a>^ки6 \ \				
Test Categories/Tests	Average	StdDev	N/	>	Average	StdDev	N	• • • • • • • • • • • • • • • • • • • •
Smoke			$\overline{\mathcal{M}}$		\			
FTC Tar, mg/cigt.			1.1	'	·			
FTC TPM, mg/cigt.	Complete		\ \	, \	$)$ ϕ omplete			
FTC Nicotine, mg/cigt.	InTest		1/	// (InTest			
FTC Water, mg/cigt.	InTest	((,	/ N >	$_{\sim}$	InTest			
FTC Puffs/cigt.	7.9	0.22,6	/ 8 r	\supset	8.1	0.21	8	
Tar/Puff, mg			. 77				-	
Cigarette	- (/	1/./						
Total RTD, mm of H2O	<u> </u>	\7\6	24		137	4.4	20	
Static Burn Time, min.	· · · · · · · · · · · · · · · · · · ·	0.53	4		7.5	0.16	4	
Length, mm	83.3	0.14	10		83.7	0.17	10	
Circumference, mm	24.89	0.035	10		24.79	0.054	10	
Paper		. 💙						
Permeability, CORESTA Units		2.7	5		36	1.7	5	
Filter						,	_	
RTD, mm of H2O	68	5.1	25		90	3.2	25	
Length, mm	21.0	0.19	10		21.0	0,24	10	
Weight, g	0.11				0.14	0,24	10	
Ventilation, %	1	1.6	23		16	2.0	23	
Filler	_	_,,				2.0	2.5	
Total Alkaloids, % (DWB)	1.91				2,26			
Total Red. Sugars, % (DWB)	7.1				7.9			
Reconstituted Tob., % (//	17				26			
Expanded Stems, % \\//\\	_s 11				0			
Expanded Tob., %	18				-11			
BBO, %	1		_		0			
Lamina,%	- 54		•		63	-		_
Tobacco Weight, g	0.692	_			0.760			
Tobacco (Weight, /g/ (12.5%) OV)	0.683				0.752			
Rod Density g/gc	0.222				0.245			
Rod Length mm/	62.4				62.7			
Oven Volatiles % (Equil.)	13.6				13.4			
Menthol \								
Smoke, mg/cigt. \checkmark					. +			
TPM, mg/cigt.								
Puffs/Cigt.								
Menthol/Puff, mg								
Humectant/Plasticizer								
Triacetin in Filter, %	·· - 10.1				9.2			
Glycerin in Filler,%	1.9				<0.2			
PG in Filler,%	1.6				<0.2			
Firmness (Pack)								
Firmness, mm	3.36	0.144	3		2.84	0.100	3	
Tobacco Weight, g	0.696	0.0076	3		0.740	0.0129	3	
Oven Volatiles, %	13.36	0.057	3		12.14	0.286	3	
							-	

Doc-Code: P0622

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Philip Morris USA Confidential

Report Date.: 07/18/97 09:55 AM Request....: 19707

Submitter ...:

Request Type: ci Activity ' : 7A14 Reported By...: LAFFOON, SUSAN

Date Submitted:

Date Received.: 07/01/97

Date Completed: Approved By . . .: NOT APPROVED

Description .:

* DATA HAS NOT HAD FINAL REVIEW/APPROVAL: SUBJECT TO CHANGE *

	KN8			9 \\		
<u> Test Categories/Tests</u>	Average	StdDev	N	Average	StdDev	N
Smoke			⊼(`	\ \		
FTC Tar, mg/cigt.	13.2	0.49	12, /)		
FTC TPM, mg/cigt.	15.9	0,47	7//) kdy2Test	•	
FTC Nicotine, mg/cigt.	1.00	0 /0,29		Rdy2Test		
FTC Water, mg/cigt.	1.68	0(. (95/	$^{\prime}$	Rdy2Test		
FTC Puffs/cigt.	9.2	0.214/	✓ Y →	Rdy2Test		
Tar/Puff, mg	1.4		- 71 ⁻			
Cigarette	(/	// (,	~/	+ *0 - +		
Total RTD, mm of H2O		4,9	25	140	6.8	25
Static Burn Time, min.	~ × × × × × × × × × × × × × × × × × × ×	0.22	4	Complete		24.5
Length, mm	99.2	0.20	10	120.0		10
Circumference, mm	25.09	0.072	10	21.15		10
Paper		V		21,13	0.072	10
Permeability, CORESTA Units	36.	1.8	5	19	4.3	5
Filter		110			4.3	,
RTD, mm of H2O	72	3.8	25	118	5.3	25
Length, mm	26.9	0.16	10	34.9		10
Weight, g	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0,20	10	0.16		TO
Ventilation, %	17	1.9	23	46		25
Filler	// />	4.5	25	40	3.1	23
Total Alkaloids, % (DWB)	2.17			2,26		
Total Red. Sugars, % (DWB)	8,3			8.9		
Reconstituted Tob., %	_ 24	•		_0.9		
Expanded Stems, %	· · · · · · · · · · · · · · · · · · ·	5		10		
Expanded Tob., %			5.5			
BBO, 8		•		13		
Lamina, %	67	•		. 1		
Tobacco Weight, g	0.861			67 0.709		
Tobacco (Weight, g/ (12.5%) OV)	0.853			0.709		
Rod Density g/cc	0.236					
Rod Length mm	72.3			0.231		
Oven Volatiles % (Equil.)	13.3			85.0		
Menthol (Equil.)	13.3			13.7		
Smoke, mg/cigt.						
TPM, mg/cigt.						
Puffs/Cigt.						
Menthol/Puff, mg						
Humectant/Plasticizer						
Triacetin in Filter,%	12.5			ć n		
Glycerin in Filler, &	2.2			6.3		
PG in Filler, %	0.9			2.2		
Firmness (Pack)	0.9			1.2		
Firmness (Fack)	2.76	0.108	2	0.01	0.000	_
Tobacco Weight, g	0.853		3	2.84		3
Oven Volatiles, %	12.30	0.0061 0.139	3 3	0.719		3
	12.30	0.139	3	13.27	0.104	3

Doc-Code: P0622

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Philip Morris USA Confidential

Report Date.: 07/18/97 09:55 AM

Request....: 19707 Submitter...:

Request Type: ci Activity : 7A14 Reported By . . . : LAFFOON, SUSAN

Date Submitted:

Date Received .: 07/01/97

Date Completed:

Approved By ...: NOT APPROVED

Description .:

* DATA HAS NOT HAD FINAL REVIEW/APPROVAL: SUBJECT TO CHANGE *

	MO9M		<	MG/3NOM_
Test Categories/Tests	<u>Average</u>	<u>StdDev</u>	<u>N</u> />	Average StdDev N
Smoke			$\langle \mathcal{A} \rangle$	
FTC Tar, mg/cigt.			//	\\
FTC TPM, mg/cigt.	Rdy2Test	1	/ /	complete
FTC Nicotine, mg/cigt.	Rdy2Test),/)	0.81 0.029 7
FTC Water, mg/cigt.	Rdy2Test		$/\!\!\setminus\!$	Complete
FTC Puffs/cigt.	Rdy2Test	_	´)	7.2 0.19 7
Tar/Puff, mg) . (·		
Cigarette	2016			
Total RTD, mm of H2O	<> ₹#¥	9.7	22	124 7.2 23
Static Burn Time, min.	1 8 9	0.47	4	7.7 0.39 4
Length, mm Circumference, mm	119.8	0.19	10	83.3 0.18 10
Paper	24.12	0.051	10	24.97 0.058 10
Permeability, CORESTA Units	3x	S	5	•
Filter	() ()	<i>→</i> 4.6	Э	23 1.8 5
RTD, mm of H2O	Y26	8.0	25	
Length, mm	35.0	0.31	10	
Weight, g	$\langle \ \ \rangle \ \ 0.16$	0.31	10	20.9 0.33 10 0.11
Ventilation, %	42	3.6	25	
Filler	1 1	3.0	23	2 2.2 25
Total Alkaloids, % (DWB)	2,41			1.72
Total Red. Sugars, % (DWB)	9.9			7.2
Reconstituted Tob., %	6			26
Expanded Stems, %)			
Expanded Tob., %	14			25
BBO, 8				25
Lamina, %	70			34
Tobacco Weight, g	0.710			0.637
Tobacco (Weight,)g/ (12.5%) OV)	0.710			0.633
Rod Density g/oc	0.236			0.204
Rod Length Rum	84.8			62.4
Oven Volatiles & (Equil.)	12.4	•		13.0
Menthol				
Smoke, mg/cigt.	0.60	0.025	8	
TPM, mg/cigt.	18.8	1.27	8	-
Puffs/Cigt.	13,2	0.26	8	
Menthol/Puff, mg	0.05			
Humectant/Plasticizer	-			w
Triacetin in Filter,%	6.2			9.5
Glycerin in Filler,%	1.0			1.8
PG in Filler,%	0.7			0.4
Firmness (Pack)				
Firmness, mm	2.72	0.112	3	3.12 0.098 3
Tobacco Weight, g	0.723	0.0076	3	0.655 0.0031 3
Oven Volatiles, %	13.11	0.142	3	13.20 0.017 3

Doc-Code: P0622

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Philip Morris USA Confidential

Report Date.: 07/18/97 09:55 AM

Request....: 19707

Submitter...: Request Type: ci

Activity : 7A14 Reported By...: LAFFOON, SUSAN Date Submitted:

Date Received .: 07/01/97

Date Completed:

Approved By ...: NOT APPROVED

Description .:

* DATA HAS NOT HAD FINAL REVIEW/APPROVAL: SUBJECT TO CHANGE *

	MON6M-BW	√моия/ым				
Test Categories/Tests	<u>Average</u> StdDe	v N/	Average	<u>StdDev</u>	_N_	
Smoke		$\langle A \rangle$			_	
FTC Tar, mg/cigt. FTC TPM, mg/cigt.	Complete	_ // ://	12.2	0.59	8	
FTC Nicotine, mg/cigt.	Complete	\sim \sim \sim	15.2	1.15	8	
FTC Water, mg/cigt.	InTest InTest		0.79	0.026	8	
FTC Puffs/ciqt.	7,2	18/8	2,21	0.578	8	
Tar/Puff, mg	7.2 0.7.	<i>1</i> °(<i>9</i>)	7.8	0.21	8	
Cigarette			1.6			
Total RTD, mm of H2O	A 128 9	7 22	147	9.8	23	
Static Burn Time, min.	× 23 × ×		7.4	0.13	∠3 4	
Length, mm	83.6 0.1	19 8	98.5	0.13	10	
Circumference, mm	24.83 9.0		24.82	0.046	10	
Paper				0.040	10	
Permeability, CORESTA Units	23	.7 5	24	0.5	5	
Filter		· · · · ·		0.0	•	
RTD, mm of H2O	69 5	.2 23	76	5.2	25	
Length, mm	20.8 0.2		30.7	0.31	10	
Weight, g	∨ 0.11		0.16		•	
Ventilation, %	2 0	.8 25	1,	1.8	21	
Filler						
Total Alkaloids, % (DWB)	1.80	•	1,83			
Total Red. Sugars, % (DWB)	7.8		8.0			
Reconstituted Tob., %	>		_ 18			
Expanded Stems, %	21		21			
Expanded Tob., &	28		28			
BBO, %	0	•	0			
Lamina, % Tobacco Weight, g	27		32			
Tobacco Weight, g Tobacco Weight, g (12.5% OV)	0.633		0.716		**	
Rod Density g/cc	0.630 0.204		0.710			
Rod Length nm	62.8		0.213			
Oven Volatiles % (Equil.)	12.9		67.8 13,2			
Menthol	12.9		13,2			
Smoke, mg/cigt.	0.50 0.02	28 8				
TPM, mg/ciqt.	19.6 1.3		·			
Puffs/Cigt.	6.9 0.2					
Menthol/Puff, mg	0.07	0				
Humectant/Plasticizer	- 1111,		•			
Triacetin in Filter, %	9.8		10.4			
Glycerin in Filler,%	1.6	•	1.6			
PG in Filler,%	0.5		0.4			
Firmness (Pack)						
Firmness, mm	2.89 0.04		2.83	0.113	3	
Tobacco Weight, g	0.648 0.003		0.717	0.0031	3	
Oven Volatiles, %	12.90 0.13	31 3	13.18	0.075	3	

Doc-Code: P0622

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Philip Morris USA Confidential

Report Date.: 07/18/97 09:55 AM

Request....: 19707

Submitter...:

Request Type: ci Activity : 7A14 Reported By...: LAFFOON, SUSAN Date Submitted:

Date Received.: 07/01/97

Date Completed: Approved By ...: NOT APPROVED

Description .:

ጥ	DATA	HAS	NOT	HAD	FINAL	REVIEW/APPROVAL:	SUBJEÇÆ	TO	CHANGE	*
								\		

m	MONL6-BW		NT@W-BM		
Test Categories/Tests	Average	StdDev N/	Average	StdDev	N
Smoke		\sim (
FTC Tar, mg/cigt.	9.9		//		
FTC TPM, mg/cigt.	12.4		/ complete		
FTC Nicotine, mg/cigt.	. 0.65		✓ InTest		
FTC Water, mg/cigt.	1.77		InTest		
FTC Puffs/cigt.	7.0	0.20/9/ 9,0	6.9	0.09	8
Tar/Puff, mg	1.4				
Cigarette			-		
Total RTD, mm of H2O		4.4 25	112	5.4	25
Static Burn Time, min.	× 7 6		8.0	0.22	4
Length, mm	₹3.8		83.5	0.16	10
Circumference, mm	24.88	9.028 10	24.94	0.059	10
Paper		` : · :	_		
Permeability, CORESTA Units Filter	27	3.6 5	22	2.0	5
		•	•	÷	
RTD, mm of H2O Length, mm	84	2.8 25	81	4.4	25
	26.8	0.26 10	26.8	0.24	10
Weight, g Ventilation, %	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		0.14		
Filler	19	1.3 25	22	2.2	25
	. \ \ \				
Total Alkaloids, % (DWB)	1.86	-	1.75		
Total Red. Sugars, % (DVA) Reconstituted Tob., %	7.9		7.2		
Expanded Stems, %	24	54	25		
	**** ±19	1, 4 1, 4 1 4	18		
Expanded Tob., %	27		30		7
Lamina, %	0	P			
	30		.27		
Tobacco Weight, g (12.5% OV)	0.585	No. of the second second	0.597		
Rod Density g/oc	0.583		0.595		
Rod Length nm	0.208		0.212		
Oven Volatiles % (Equil.)	56.8		56.7		
Menthol (Equil.)	12.8		12.7		
Smoke, mg/cigt.		:	•		
TPM, mg/cigt.			InTest		
Puffs/Cigt.	_ 		Complete		
Menthol/Puff, mg			, 6, 6	0.17	8
Humectant/Plasticizer					
Triacetin in Filter, %	9.4	•			
Glycerin in Filler, %	1.7		9.9		
PG in Filler,%	0.4		1.6		
Firmness (Pack)	0.4		0.5		
Firmness, mm	2.89	0.061 3	0.05	0 155	_
Tobacco Weight, g	0.588	0.061 3 0.0071 3	2.95	0.168	3
Oven Volatiles, %	13.00	0.129 3	0.591	0.0055	3
·	25.00	V.143 3	13.00	0.060	3

Doc-Code: P0622

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Philip Morris USA Confidential

Report Date.: 07/18/97 09:55 AM

Request....: 19707

Submitter...:

Request Type: ci

Activity : 7A14 Reported By...: LAFFOON, SUSAN Date Submitted:

Date Received.: 07/01/97

Date Completed:

Approved By . . .: NOT APPROVED

Description .:

* DATA HAS NOT HAD FINAL REVIEW/APPROVAL: SUBJECT TO CHANGE *

	MONL8-BW		_			
Test Categories/Tests	Average	Ct-dDow	<	MONT SW-BM	04-45	
Smoke	Average	scapev	$\frac{N}{2}$	Average	Stabev	<u> </u>
FTC Tar, mg/cigt.	9.5	0,38	8/	9.5	0.55	0
FTC TPM, mg/cigt.	11.3		8//)) 11.4		8
FTC Nicotine, mg/cigt.	0.70	- 7-1	1/8/	0.68	0.68 0.035	8 8
FTC Water, mg/cigt.	1.10	17	\\ <u>8</u> \\	1.16	0.033	8
FTC Puffs/cigt.	8.9		/ ¥.)	8.7	0.20	8
Tar/Puff, mg	1.1			1.1	0.20	O
Cigarette	-77	\sim / $'$	\smile / $-$			
Total RTD, mm of H2O	₹ 166	7.4	25	99	5.7	25
Static Burn Time, min.	\sim \sim \sim \sim \sim \sim	0.28	4	7.2	0.20	4
Length, mm	98.1	0.20	10	98.8	0.18	10
Circumference, mm	24.91		10	24.87		10
Paper		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		22.07	0.043	40
Permeability, CORESTA Units	24	<i>></i> 2.8	5	23	1.9	5
Filter						J
RTD, mm of H2O	78		25	77	4.4	25
Length, mm	30.8	0.41	10	30.8	0.27	10
Weight, g	√ 0.27			0.16		
Ventilation, %	\ \ \ \ 35	3.4	24	34	2.6	23
Filler						
Total Alkaloids, % (DWB)	1.88			1,71		
Total Red. Sugars, % (DWB)	7.9			8.2		
Reconstituted Tob., %	22	%1		<u>. 1</u> 8		
Expanded Stems, %	- 19					
Expanded Tob., %			_	25		
BBO, % Lamina, %	0			0		
	33			37		
	0.708			0.692		
Tobacco (Weight, /g/ (12.5%) OV) Rod Density / g/oc	0.703			0.689		
Rod Length mm	0.212 67.3			0.206		
Oven Volatiles % (Equil.)	13.1			68.0		
Menthol	13.1			12.9		
Smoke, mg/cigt.	-			0.20	0 001	_
TPM, mg/cigt.	~			0.38 11,7	0.021	8
Puffs/Cigt.				8.6	0.45	8
Menthol/Puff, mg		•		0.04	0.34	8
Humectant/Plasticizer				0.04		
Triacetin in Filter,%	9.8			9.2		
Glycerin in Filler,%	1.7			1.7		
PG in Filler,%	$\overline{0}$.4			0.4		
Firmness (Pack)				3.4		
Firmness, mm	2.94	0.116	3	3.20	0.091	3
Tobacco Weight, g	0.707	0.0070	3	0.707	0.0085	3
Oven Volatiles, %	12.91	0.144	3	13.17	0.106	3
						-

Doc-Code: P0622

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PRODUCT TESTING LABORATORY Preliminary Laboratory Averages Report

Philip Morris USA Confidential

Report Date.: 07/18/97 09:55 AM

Request....: 19707

Submitter...:

Request Type: ci

Activity : 7A14

Reported By . . . : LAFFOON, SUSAN

Date Submitted:

Date Received.: 07/01/97

Date Completed:
Approved By...: NOT APPROVED

Description .:

* DATA HAS NOT HAD FINAL REVIEW/APPROVAL: SUBJECT TO CHANGE *

	MONU8-BW			NG4MB		
Test Categories/Tests	Ayerage	<u>StdDev</u>	N/	Average	StdDev	N
Smoke			$\sim \sim 10$			
FTC Tar, mg/cigt.			/.,	\		
FTC TPM, mg/cigt.	5.1	0.19	\ 6\	() ¢omplete		
FTC Nicotine, mg/cigt.	Complete		1	InTest		
FTC Water, mg/cigt.	0.41	0(. 070)	/ <u>/\</u> 6\	√ InTest		
FTC Puffs/cigt.	9.5		/ E.	6.9	0.25	8
Tar/Puff, mg		~~ <i>~~ (</i>	- 77		0.23	Ü
Cigarette	()	\checkmark / $'$				
Total RTD, mm of H2O		8,5	23	136	5.0	25
Static Burn Time, min.	\sim \sim \sim \sim \sim	0.22	4	7.9	0.20	4
Length, mm	9.8.6	0.20	10	7.9 79.8		_
Circumference, mm	24.82	0.100	10	79.8 25.11	0.43	10
Paper	27.02	V9.100	ΞŪ	23,11	0.065	10
Permeability, CORESTA Units	27	3.2	5	20		_
Filter		/ 3.2	Þ	32	2.2	5
RTD, mm of H2O	128					
Length, mm			25	111	4.8	25
Weight, g	30.8	0.16	10	25.0	0.17	10
Ventilation, %	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			0.16		
Filler	57	4.4	25	24	2.2	23
Total Alkaloids, % (DWB)	,					
	1_90			2.84		
Total Red. Sugars, % (DWB)	7.3			10.3		
Reconstituted Tob., %	19			21		
Expanded Stems, %	-24			0		
Expanded Tob., %	31.			.13		
BBO, 8	0			0		
Lamina, %	27			66		
Tobacco Weight, g	0.665			0.641		
Tobacco (Weight, /g/ (12.5%) OV)	0.662			0.637		
Rod Density g/oc	0.199			0.231		
Rod Length, mm/	67.8			54.8		
Oven Volatiles % (Equil.)	12.8			13.1		
Menthol				10,1		
Smoke, mg/cigt.∨				InTest		
TPM, mg/cigt.				Complete		
Puffs/Cigt.	~			6.7	0.25	8
Menthol/Puff, mg	<u> </u>	-		0.7	0.25	B
Humectant/Plasticizer	<u>-</u>					
Triacetin in Filter, %	8.9			0.0		
Glycerin in Filler,%	1.6			9.3		
PG in Filler,%	0.4			2.4		
Firmness (Pack)	0.4			0.7		
Firmness, mm	2.63	0 007	2			
Tobacco Weight, g		0.087	3	2.87	0.040	3
Oven Volatiles, %	0.711	0.0040	3	0.653	0.0021	3
T. T. COMMONATORY	12.82	0.118	3	12.14	0.068	3

Doc-Code: P0622

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Philip Morris USA Confidential

Report Date.: 07/18/97 09:55 AM

Request....: I9707

Submitter...: Request Type: ci

Activity : 7A14

Reported By...: LAFFOON, SUSAN

Date Submitted:

Date Received.: 07/01/97

Date Completed: Approved By...: NOT APPROVED

Description.:

*	DATA	HAS	TON	HAD	FINAL	REVIEW/APPRO	VAL:	SUBJEÇÆ	TO	CHANGE	*
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			\	()		
<u>NO8</u>				v ps /		
Test Categories/Tests	<u>Average</u> S	StdDev	N	√ \ Average	StdDev	N
Smoke			⊼(`	\ \		
FTC Tar, mg/cigt.			/./) \		
FTC TPM, mg/cigt.	Complete		///) complete		
FTC Nicotine, mg/cigt.	InTest			InTest		
FTC Water, mg/cigt.	InTest	- ((/	$^{\prime}$	InTest		
FTC Puffs/cigt.	8.0	0.21/1/		7.8	0.23	8
Tar/Puff, mg		~~7′(11	7.0	0.23	0
Cigarette		/////	<i>)</i>			
Total RTD, mm of H2O		4.4	25	129	8.5	25
Static Burn Time, min.	V 6 4	0.12	4	8.1		
Length, mm	(A, 8g)	0.17	10		0.08	4
Circumference, mm	24.87	9.117	10	79.6	0.08	10
Paper	24.61	A.TT1	10	24.96	0.045	10
Permeability, CORESTA Units	23	4.0				
Filter	7/20	4.0	. 5 ,	16	1.9	5
RTD, mm of H2O	139					
Length, mm	\ \	6,5	25	69	5.2	25
Weight, q	30.8	0.10	10	20.6	0.34	10
Ventilation, %	∨ 0.18			0.12		
Filler	68	1.5	25	2	0.8	25
Total Alkaloids, % (DWB)	> 2.65			2.49		
Total Red. Sugars, % (DWB)	- 6.6			9.5		
Reconstituted Tob., %	-11			. 26		
Expanded Stems, %	6		***	0		
Expanded Tob., %	51	-		13		
BBO, 8	0	**		0		
Lamina, %	32			62		
Tobacco Weight, g	0.591			0706		
Tobacco (Weight, /g/ (12.5%)OV)	0.599			0.694		
Rod Density g/oc	-0.180			0.237		
Rod Length \ nm/	67.6			59.0		
Oven Volatiles % (Equil.)	11.4			13.9		
Menthol						
Smoke, mg/cigt.				0.41	0.014	
TPM, mg/cigt.					0.014	8
Puffs/Cigt.				21.3	0.60	8
Menthol/Puff, mg				7.5	0.19	8
Humectant/Plasticizer				0.05		
Triacetin in Filter, %	8,5					
Glycerin in Filler, %				10.9		
PG in Filler, %	0.2			2.4		
Firmness (Pack)	0.3			0.7		
Firmness, mm	2.5.					
Tobacco Weight, g	2.64	0.040	3	2.71	0.051	3
		0.0017	3	0.693	0.0074	3
Oven Volatiles, %	11.75	0.092	2	12.23	0.040	3

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Philip Morris USA Confidential

Report Date.: 07/18/97 09:55 AM

Request....: 19707

Submitter...: Request Type: ci

Activity 7 ; 7A14

Reported By . . .: LAFFOON, SUSAN

* DATA HAS NOT HAD FINAL REVIEW/APPROVAL: SUBJECT TO CHANGE *

Date Submitted:

Date Received .: 07/01/97

Date Completed:

Approved By ...: NOT APPROVED

Description .:

			<u> </u>	~			
mant Cotomondo o /mante	<u>NW6M</u>		N. 1-		KG6M/		
Test Categories/Tests Smoke		<u>Average</u>	tabev	$\frac{N}{2}$	Average	Stabev	N
		16.0	6	8/	3		
FTC Tar, mg/cigt.		16.0	0.54	8/	/ /		
FTC TPM, mg/cigt.		21.2	0.70	8//	/ Complete		
FTC Nicotine, mg/cigt.		1.22	0 024) 8 /	> InTest		
FTC Water, mg/cigt.		- 3,97	0(.263/	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	InTest		
FTC Puffs/cigt.		8.3	0./2/3/	' \$	8.3	0.32	8
Tar/Puff, mg		1.9	/ (($\mathcal{I}I$	- 		
Cigarette		ماره	///				
Total RTD, mm of H20		$\langle \rangle = \sqrt{2}\sqrt{2}$	6.3	25	125		25
Static Burn Time, min.		$\sim \sim \sim$	0.52	4	7.8		4
Length, mm		84.3	0.12	10	83.5		10
Circumference, mm		24.99 \	y 0.063	10	24.85	0.061	10
Paper				_		•	
Permeability, CORESTA Units		(\\ 19\)	1.4	5	46	5.1	5
Filter		\ - _					
RTD, mm of H2O	~ 4 ()	67	2.9	25	106		25
Length, mm	, //	20.8	0.21	10	27,1	–	10
Weight, g	$\langle \ \ \ \ \ $	V 0.21			0.16		
Ventilation, %	////	1	0.6	25	26	1.8	25
Filler	'	/					
Total Alkaloids, % (DWB)		2.42			2.37		
Total Red. Sugars, % (DWB)		8.8			9.3		
Reconstituted Tob., %	$_{\wedge}$ \vee	26			-x - 12		
Expanded Stems, %	}	- 0	5				
Expanded Tob., %	/	12					
BBO, %	· <u></u>	0			. 0		
Lamina, %		: 62			70		
Tobacco Weight, g		0.752			0.663		
Tobacco (Weight,)g/ (12.5%) OV)		0.740			0.660		
Rod Density gice		0.234			0.238		
Rod Length mm		63.5			56.5		
Oven Volatiles % (Equil.)		13.9			12.8		
Menthol							
Smoke, mg/cigt. V		0.44	0.023	8	InTest		
TPM, mg/clgt.		22.3	0.67	8	Complete		
Puffs/Cigt.		8.0	0.09	8	8.1	0.30	8
Menthol/Puff, mg		0.05					
Humectant/Plasticizer							
Triacetin in Filter, %		11.1			8.1		
Glycerin in Filler, %		2.4			2.0		
PG in Filler.%		nα			Λ 5		

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PG in Filler, %

Tobacco Weight, g oven Volatiles, %

Firmness (Pack) Firmness, mm

Page

0.5

3.26

0.678

13.46

16 of

0.175

0.0031

0.106

25

3

3

0.9

2.89

0.740

12,48

0.356

0.242

0.0064

plabavq

PRODUCT TESTING LABORATORY Preliminary Laboratory Averages Report

Philip Morris USA Confidential

Report Date.: 07/18/97 09:55 AM

Request....: 19707 Submitter...:

Request Type: ci Activity : 7A14

Reported By...: LAFFOON, SUSAN Date Submitted:

Date Received,: 07/01/97

Date Completed: Approved By ...: NOT APPROVED

Description.:

* DATA HAS NOT HAD FINAL REVIEW/APPROVAL: SUBJECT TO CHANGE *

				()		
	SG8M		SL6	$_{\rm M}$		
Test Categories/Tests	<u>Average</u>	StdDev	N	Average	StdDev	N
Smoke			₹()	1 1 22.000	<u>BEGB</u> CV	
FTC Tar, mg/cigt.			/,/	16.5	0.78	8
FTC TPM, mg/cigt.	11.1	0.87	1/6)) 22.6	1.42	8
FTC Nicotine, mg/cigt.	Complete		1/ //	7 1.16	0.054	8
FTC Water, mg/cigt.	0.92	0(. 211/	\sim	4.95	0.662	8
FTC Puffs/cigt.	11.8	0.26.9	/ % >>	8.0	0.002	8
Tar/Puff, mg		~ "7(11	2.1	0.13	U
Cigarette	(/	\sim / $'$	<i>\(\)</i>	2.1		
Total RTD, mm of H2O	< 166	6,6	25	113	5.9	25
Static Burn Time, min.	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	0.32	3	7.6	0.34	2.J 4
Length, mm	98.5	0.08	10	83.6	$0.34 \\ 0.14$	10
Circumference, mm	24.97	0.048	10	24.97	0.054	10
Paper		V9.040	10	24.97	0.034	10
Permeability, CORESTA Units	26	2.4	5	26	1.3	-
Filter		2.4	7	20	1.3	5
RTD, mm of H2O	Y12	9.8	25	60	4.2	0.5
Length, mm	30.8	0.19	9	20.9	4.3 0.34	25
Weight, q	\ \	0.19	,		0.34	10
Ventilation, %	46	2.3	25	0.12	1 0	5.5
Filler	///>	2.3	23	0	1.2	25
Total Alkaloids, % (DWB)	214			2 22		
Total Red. Sugars, % (DWB)	10.0			2.33		
Reconstituted Tob., %	10.0			7.1		
Expanded Stems, %	7			14		
Expanded Tob., %	10			11		
BBO, 8	0					
Lamina, %	73			U		
Tobacco Weight, g	0.791			67		
Tobacco Weight, g/ (12.5% OV)	0.791			0.729		
Rod Density g/gc	0.234			0.723		
Rod Length mm	67.7			0.233		
Oven Volatiles % (Equil.)	13.0			62.7		
Menthol	13,0			13.2		
Smoke, mg/cigt.	0.52	0.025	0	0 54		_
TPM, mg/cigt.	11.7		8	0.54	0,029	8
Puffs/Cigt.	11.3	0.68 0.68	8 8	22.5	1.27	8
Menthol/Puff, mg	0.05	0.00	0	7.8	0.26	8
Humectant/Plasticizer	- 0.05			0.07		
Triacetin in Filter,%	8.4			10.0		
Glycerin in Filler,%	1.5			10.0		
PG in Filler, %	0.4			2.7		
Firmness (Pack)	0.4			0.3		
Firmness, mm	3.32	0.085	3	2 22	0 040	
Tobacco Weight, g	0.791	0.0187	3	3.32	0.049	3
Oven Volatiles, %	13.25	0.0187	<i>3</i> 3	0.746	0.0072	3
·, -	10.20	0.103	ر	13.62	0.035	3

Doc-Code: P0622

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Philip Morris USA Confidential

Report Date.: 07/18/97 09:55 AM Request....: I9707

Submitter...:

Request Type: ci Activity : 7A14 Reported By...: LAFFOON, SUSAN

Date Submitted:

Date Received .: 07/01/97

Date Completed:

Approved By ...: NOT APPROVED

Description .:

* DATA HAS NOT HAD FINAL REVIEW/APPROVAL: SUBJECT TO CHANGE *

	SL8M	<	SS8MB \		
Test Categories/Tests	Average	StdDev N/	Average	StdDev	N
Smoke		\sim			
FTC Tar, mg/cigt.	18.3.	0.43 8) \		
FTC TPM, mg/cigt.	22,4	0.68 8	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
FTC Nicotine, mg/cigt.	1.44	0,050 8	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
FTC Water, mg/cigt.	2.71	0(.261/\8_	. ✓ InTest		
FTC Puffs/cigt.	10.6	0.219/ 8	8.0	0.26	8
Tar/Puff, mg	1.7				Ū
Cigarette	.(/				
Total RTD, mm of H20	\$\dag{\chi_0\dag{\chi}}	4,9 25	116	6.8	25
Static Burn Time, min.	×	0.64 4	6.8	0.15	4
Length, mm	(99.2)	0.11 10	97.8	0.14	10
Circumference, mm	24.97	0.053 10	22.77	0.098	9
Paper		· .			_
Permeability, CORESTA Units	30>	5.4 5	41	3.9	5
Filter				0.5	_
RTD, mm of H2O	√(\\ \ \69 '	3.7 25	99	6.9	25
Length, mm	27.0	0.43 10	30.8	0.29	10
Weight, g	\sim 0.14		0.16	V.25	
Ventilation, %	14	2.6 25	39	3.6	25
Filler				***	
Total Alkaloids, % (DWB)	2.29		2.38		
Total Red. Sugars, % (DWB)	6.7		8.8		
Reconstituted Tob., %	✓ 11		14		
Expanded Stems, %	= 15			•	
Expanded Tob., % () \ \ \ / / /	8		14		
BBO, %	0		0		
Lamina, %	66		. 63		
Tobacco Weight, g	_ 0.848		0.653		
Tobacco (Weight, /g/ (12.5%) OV)	0.838		0.651		
Rod Density gloc	0.234		0.235		
Rod Length num	72.2		67.0		
Oven Volatiles % (Equil.)	13.5		12.8		
Menthol					
Smoke, mg/cigt.	0.56	0.013 8	0.57	0.011	8
TPM, mg/cigt.	22.7	0.57 8	11.4	0.30	8
Puffs/Cigt.	10.7	0.25 8	8.6	0.17	8
Menthol/Puff, mg	0.05		0.07	0,1,	•
Humectant/Plasticizer					
Triacetin in Filter, %	9.6		7.5		
Glycerin in Filler,%	2.6		1.9		
PG in Filler,%	0.3		0.3		
Firmness (Pack)			373		
Firmness, mm	3.43	0.036 3	2.92	0.017	3
Tobacco Weight, g	0.857	0.0070 3	0.660	0.0047	3
Oven Volatiles, %	13.76	0.029 3	13.20	0.206	3

Doc-Code: P0622

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Philip Morris USA Confidential

Report Date.: 07/18/97 09:55 AM

Request....: 19707

Submitter...:

Request Type: ci Activity : 7A14

: 19/0/

Reported By...: LAFFOON, SUSAN

Date Submitted:

Date Received.: 07/01/97 Date Completed:

ctivity : 7A14 Approved By...: NOT APPROVED

Description .:

* DATA HAS NOT HAD FINAL REVIEW/APPROVAL: SUBJECT TO CHANGE *

	SU8M					
Test Categories/Tests	<u>Average</u>	Stanon	TU		U+ 4D	
Smoke	WACTURE	Beaber	$\frac{N}{N}$	\(\range \) Average	stabev	<u> </u>
FTC Tar, mg/cigt.	5.9	0.36	8/	<u> </u>		
FTC TPM, mg/cigt.	7.1		/ 8/) complete		
FTC Nicotine, mg/cigt.	0,57			InTest		
FTC Water, mg/clgt.	0.61	1 1		InTest		
FTC Puffs/cigt.	10.9		/ & > .	8.0	0.19	б
Tar/Puff, mg	0.5		(<i>] </i>		0.15	J
Cigarette	(/	\mathcal{A}		•		
Total RTD, mm of H2O		5,2	25	65	5.4	25
Static Burn Time, min.	× <u>√</u> 1√8	0.40		7.3	0.27	4
Length, mm	(99.2	0.15		83.5	0.12	10
_ Circumference, mm	25.04	₹9.066	10	24.96	0.042	10
Paper		`				
Permeability, CORESTA Units Filter	26	> 3.8	5	37	1.7	5
RTD, mm of H2O	- Y39					
Length, mm	30.9	6.6	25	90	9.2	23
Weight, q	$\sqrt{\frac{30.9}{0.18}}$	0.27	10	24.9	0.21	10
Ventilation, %	53	2.9	25	0.17		۰
Filler	// />	4.9	25	61	2.6	25
Total Alkaloids, % (DWB)	2.32			2,70		
Total Red. Sugars, % (DWB)	10.1			6.3		
Reconstituted Tob., % // //	ii			20		
Expanded Stems, %	10			0		
Expanded Tob., %	13		*	13		
BBO, %	0			, 0	•	
Lamina, %	66	,		67		
Tobacco Weight, g	0.779			0.673		
Tobacco (Weight, g) (12.58) OV)	0,775			0.669		
Rod Density g/oc	0.228			0.230		
Rod Length\ dm/ Oven Volatiles\ % (Equil.)	68.2			58.5		
Menthol	12.9			13.0		
Smoke, mg/cigt.	. 0.36	0 014				
TPM, mg/cigt.	0.36 7.6	$0.014 \\ 0.45$	8 8			
Puffs/Cigt.	Complete	0.45	ō			
Menthol/Puff, mg	COMPIECE		and.			-
Humectant/Plasticizer						
Triacetin in Filter, %	8.1	•		10.1	-	
Glycerin in Filler, %	1.5	•		2.5		
PG in Filler,%	0.4			0.9		
Firmness (Pack)				0.5		
Firmness, mm	3.40	0.090	3	2.76	0.075	3
Tobacco Weight, g	0.779	0.0021	3	0.668	0.0045	3
Oven Volatiles, %	13.46	0.007	2	11.96	0.207	3

Doc-Code: P0622

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Philip Morris USA Confidential

Report Date.: 07/18/97 09:55 AM

Request....: 19707

Submitter...: Request Type: ci

Activity : 7A14

Reported By . . . : LAFFOON, SUSAN

Date Submitted:

Date Received.: 07/01/97

Date Completed:
Approved By...: NOT APPROVED

Description .:

* DATA HAS NOT HAD FINAL REVIEW/APPROVAL: SUBJECT TO CHANGE *

	VE6		^	Æ8 \\		7.500		
Test Categories/Tests	<u>Average</u>	<u>StdDev</u>	<u>N</u> /> _		erage	StdDev	N	
Smoke			$\langle \mathcal{A} \langle$					
FTC Tar, mg/cigt.			. //	11	8,7	0.47	9	
FTC TPM, mg/cigt. FTC Nicotine, mg/cigt.	Complete		1 / 1	$\langle \cdot \rangle$	10.5	0.62	9	
	InTest	/ /	/ / (> ~	0.77	0.044	9	
FTC Water, mg/cigt. FTC Puffs/cigt.	InTest	1 1 7	/\ <u>\</u> \\	•	0.96	0.174	9	
Tar/Puff, mq	8.5	Q 20/			11.0	0.30	9	
Cigarette	7	\sim / $^{\prime}$			0.8			
Total RTD, mm of H2O	A 16	/ / /	25			4.0	25	
Static Burn Time, min.	\Diamond $\begin{pmatrix} 8 & 3 \\ 416 \end{pmatrix}$	4 6			123	4.0	25	
Length, mm	83.9	0.50	4 10		8.1	0.19	4	
Circumference, mm	24.96	0.16			98.5	0.22	10	
Paper	- 24. AQ	9.053	10		24.83	0.041	10	
Permeability, CORESTA Units	25) 1.7	5			7 0	-	
Filter	(\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		D D		27	1.3	5	
RTD, mm of H2O	103	5.6	25	*** *	100			
Length, mm	27.0		10		122	6.1	25	
Weight, q	$\begin{array}{c c} & & & 27.0 \\ \hline & 0.28 \end{array}$	0.12	10		31.0	0.29	10	
Ventilation, %	40	1.8	25		0.33		0.5	
Filler	// /> 40	7.0	∠ 5		52	2.1	25	
Total Alkaloids, % (DWB)	2.37				2 26			
Total Red. Sugars, % (DWB)	8.8				2.36			
Reconstituted Tob., &	- 11				9.3			
Expanded Stems, %			-		. 8			
Expanded Tob., %	13					ů.		
BBO, 8	0		=	. •	14			
Lamina, %	68	: e :	.		69 69	•		٠
Tobacco Weight, g	.0.667				0.795			
Tobacco Weight, g (12.5%)OV)	0.658	*			0.793			
Rod Density goc	0.233				0.782			
Rod Length rim	56.9				67.5			
Oven Volatiles & (Equil.)	13.7				13.9			
Menthol					13.3			
Smoke, mg/cigt.								
TPM, mg/cigt.								
Puffs/Cigt.					-			
Menthol/Puff, mg								
Humectant/Plasticizer								
Triacetin in Filter, %	14.6				11.0			
Glycerin in Filler, %	2.2				2.0			
PG in Filler,%	1.2				1.1			
Firmness (Pack)	1.2				-L - L			
Firmness, mm	3.27	0.115	3		3.12	0.042	3	
Tobacco Weight, q	0.663	0.0265	3		0.805	0.0035	3	
Oven Volatiles, %	13.51	0.076	3		13.93	0.0033	3	
·	20.01		~		.J.J.	0.010	ی	

Doc-Code: P0622

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Philip Morris USA Confidential

Report Date.: 07/18/97 09:55 AM

Request...: 19707 Submitter...: Request Type: ci

Activity : 7A14 Reported By...: LAFFOON, SUSAN Date Submitted:

Date Received.: 07/01/97

Date Completed: Approved By ...: NOT APPROVED

Description .:

*	DATA	HAS	NOT	HAD	FINAL	REVIEW/APPROVAL:	SUBJECT	TO	CHANGE	*
							1.7	\		_

	VU8					
<u>Test Categories/Tests</u>	Average	StdDev	N	\ Average	StdDev	N
Smoke			$\overline{A}($			
FTC Tar, mg/cigt.	4.7	0.35	8. /	\\ 10.3	0.48	7
FTC TPM, mg/cigt.	5.8	0.43	8//)) 12.5	0.61	7
FTC Nicotine, mg/cigt.	0.46	0,029	8 / / '	0.81	0.032	7
FTC Water, mg/cigt.	0.59	0(. 211//	\8\ <u>\</u>	1.45	0.132	7
FTC Puffs/cigt.	9.8	0.26/	8 ~	.7.9	0.21	7
Tar/Puff, mg	€ر. 0		<i>]</i>	1.3		
Cigarette	(/			 ·		
Total RTD, mm of H2O		5,4	25	124	7.1	25
Static Burn Time, min.	× 8 1	0.28	4	8.5	0.39	4
Length, mm	ð.8 <i>Ç /</i>		10	83.8	0.20	10
Circumference, mm	24.85	9.075	10	24.93	0.056	10
Paper		\				
Permeability, CORESTA Units	∠ (<i>></i> 3.7	5	36	1.2	5
Filter	= "					
RTD, mm of H2O	X49		25	. 96	5.4	25
Length, mm	30.8	0.16	10	27.0	0.23	10
Weight, g	V 0.18			0.15		
Ventilation, %	57	2.4	25	20	3.1	25
Filler	\ \ \ \ \ \					
Total Alkaloids, % (DWB)	2.27			2_32		-
Total Red. Sugars, % (DWB)	8.3			9.5		
Reconstituted Tob., %	\ \ \13			., 8		
Expanded Stems, %)			8		
Expanded Tob., %	/ 20			13		
Lamina, %	0 61		4 × 40	_0		
	0.722			70		
Tobacco Weight, g (12.5%)OV)	0.722			0.653		
Rod Density g/oc	0.717			0.645		
Rod Length mm	67.8			0.230		
Oven Volatiles & (Equil.)	13,1			56.8		
Menthol	T3.T			13.6		
Smoke, mg/cigt.						
TPM, mg/cigt.						
Puffs/Ciqt.						
Menthol/Puff, mg						
Humectant/Plasticizer	-					
Triacetin in Filter, %	8.9	••	•	9.0		
Glycerin in Filler,%	2.0			2.2		
PG in Filler,%	0.3			1.2		
Firmness (Pack)	0.5			⊥.∠		
Firmness, mm	3.17	0.305	3	3.08	0.110	3
Tobacco Weight, g	0.735	0.0087	3	0.658	0.0066	3
Oven Volatiles, %	13.51	0.064	3	13.25	0.0000	3
•	24,42		-	10.23	0.007	ر

Doc-Code: P0622

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Philip Morris USA Confidential

Report Date.: 07/18/97 09:55 AM

Request....: 19707

Submitter...:

Description.:

Request Type: ci Activity : 7A14 Reported By...: LAFFOON, SUSAN

Date Submitted:

Date Received .: 07/01/97

Date Completed:

* DATA HAS NOT HAD FINAL REVIEW/APPROVAL: SUBJECT TO CHANGE *

Approved By . . .: NOT APPROVED

				//			
	tit O		^	\ \			
Test Categories/Tests	WL8 Average	C+dDora	<u>W</u>	46 /-/-	3	GL 35	
Smoke	Average	studev	${\mathbf{n}}$	1	Average	stabev	<u>N</u>
FTC Tar, mg/cigt.	10.5	0.48	8/		\		
FTC TPM, mg/cigt.	12.2	0.53	- 8)	complete		
FTC Nicotine, mg/cigt.	0.90	0 /039	/8//	_ <	InTest		
FTC Water, mg/cigt.	0.90	0/039)_8_\\	`	InTest		
FTC Puffs/cigt.	10.4	0(.111/ 0.26/	/ % ×> -			0.24	~
Tar/Puff, mg	1.0	~ ~ ~ ~ ~ (9)		8.5	0.24	б
Cigarette	1.8	\sim / ($^{\prime}$	//				
Total RTD, mm of H2O	A 16	8,9	23		101	5.3	25
Static Burn Time, min.	V _{InTest}	, /0/3	4.0		7.8	0.17	∠5 4
Length, mm	1.8.4	0.24	10		83.9	0.17	10
Circumference, mm	24.90	0.048	10		24.88	0.068	10
Paper		V9.040	0		24,00	0.000	10
Permeability, CORESTA Units	33	5.1	4		24	3.0	5
Filter			-			5.0	٠,
RTD, mm of H2O	\sim	5.3	23		63	3.9	25
Length, mm	30.9	0.39	10		20.9	0.42	10
Weight, g	0.17				0.12	0.42	2.0
Ventilation, %	39	5.1	23		23	2.7	25
Filler					20	4.,,	20
Total Alkaloids, % (DWB)	2,20				2.09		
Total Red. Sugars, % (DWB)	8.9				10.0		
Reconstituted Tob., % (/ //	\searrow 11			_	1.3		
Expanded Stems, %	13		•		11		
Expanded Tob., %	11		•		13		
BBO, %	0				0		
Lamina, %	65		-		63		
Tobacco Weight, g	0.791				0.711		
Tobacco (Weight, /g/ (12.5%) OV)	0.793				0.717		
Rod Density g/oc	0.238				0.231		
Rod Length, mm	67.6				63.0		
Oven Volatiles % (Equil.)	12.3				11.8		
Menthol							
Smoke, mg/cigt.							
TPM, mg/cigt.							
Puffs/Cigt.							
Menthol/Puff, mg							
Humectant/Plasticizer							
Triacetin in Filter,% Glycerin in Filler,%	9.1				8.7		
PG in Filler, %	<0.2				<0.2		
Firmness (Pack)	<0.2				<0.2		
Firmness, mm	2.06	0 057	2		0.00	0 0 = 0	_
Tobacco Weight, q	2.96	0.051	3		2.88	0.056	3
Oven Volatiles, %	0.805 13.09	0.0093 0.083	3 3		0.722	0.0064	3
	13.09	0.003	J		12.73	0.119	3

Doc-Code: P0622

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Philip Morris USA Confidential

Report Date.: 07/18/97 09:55 AM

Request....: 19707

Submitter...:

Request Type: ci

Activity : 7A14

Reported By . . .: LAFFOON, SUSAN

Date Submitted:

Date Received .: 07/01/97

Date Completed:

Approved By ...: NOT APPROVED

Description .:

* DATA HAS NOT HAD FINAL REVIEW/APPROVAL: SUBJECT TO CHANGE *

			//			
	WN8		~\ws6 \	\		
Test Categories/Tests	Average	StdDev	N	Average	StdDev	N
Smoke			\overrightarrow{A}	, /====================================	<u>D cabev</u>	- 11
FTC Tar, mg/cigt.	14.7	0.86	18	<u> </u>		
FTC TPM, mg/cigt.	17.6	0.43) /)) 16.6	1.33	8
FTC Nicotine, mg/cigt.	1,21	0,046	9 //	Complete	1.00	U
FTC Water, mg/cigt.	1.71	0(, 693/	\^§\^\	1.87	0.322	8
FTC Puffs/cigt.	10.0	0.25/	(b .)	8.7	0.42	8
Tar/Puff, mg	1.5		1/		0.42	ь
Cigarette	-7/	$\mathcal{A} = \mathcal{A} = $				
Total RTD, mm of H2O	< ₹2.20	5,9	25	102	6.1	25
Static Burn Tîme, min.	マステン マン・アメ	0.36	4	7.5	0.54	4
Length, mm	(99.2	0.12	10	83.7	0.20	10
Circumference, mm	24.94	9.083	10	24.89	0.035	1.0
Paper		V		24,03	0.055	1.0
Permeability, CORESTA Units	_(\ 44	5.4	5	. 23	2.8	5
Filter			_	. 23	2.0	,
RTD, mm of H2O	65	4.5	25	63	4.5	25
Length, mm	27.1	0.59	10	21.0	0.25	10
Weight, g	0.15			0.08	0.23	TO
Ventilation, %		2.7	25	20	3.3	25
Filler					3.5	43
Total Alkaloids, % (DWB)	2,14			2.09		
Total Red. Sugars, % (DWB)	9.3			9.3		
Reconstituted Tob., % (()/	14					
Expanded Stems, %	12			14		
Expanded Tob., % (\ \ \ \ / / / /	11	- I				
BBO, %	0					
Lamina,%	- 63			54		-
Tobacco Weight, g	0.864			$0.71\hat{6}$		
Tobacco (Weight, /g/ (12.5%) OV)	0.870			0.720		
Rod Density g/oc	0.244			0.233		
Rod Length mm	72.1			62.7		
Oven Volatiles % (Equil.)	11.9			12.1		
Menthol \						
Smoke, mg/cigt.∨						
TPM, mg/cigt.						
Puffs/Cigt.						
Menthol/Puff, mg						
Humectant/Plasticizer						
Triacetin in Filter,%	8,9	•		9.2		
Glycerin in Filler,%	0.2			< 0.2		
PG in Filler,%	<0.2			<0.2		
Firmness (Pack)						
Firmness, mm	2.63	0.026	3	3.09	0.131	3
Tobacco Weight, g	0.862	0.0025	3	0.719	0.0032	3
Oven Volatiles, %	13.01	0.072	3	13.31	0.148	3
					0.440	

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PRODUCT TESTING LABORATORY Preliminary Laboratory Averages Report

Philip Morris USA Confidential

Report Date.: 07/18/97 09:55 AM

Request....: 19707

Submitter...:

Request Type: ci Activity : 7A14 Reported By . . . : LAFFOON, SUSAN

Date Submitted:

Date Received .: 07/01/97

Date Completed:

Approved By ...: NOT APPROVED

Description .:

	NOT HAD FINA							
	WSL6			\sim	Mris //			
<u> lest Categories/Tests</u>		verage	StdDev	N.	11	Average	StdDev	N
Smoke				$\langle \langle \langle \langle \rangle \rangle \rangle$,			
FTC Tar, mg/cigt.		10.0			\	<i>\</i>		
FTC TPM, mg/cigt.	0	12.2	0.84	/ 8//	\	complete		
FTC Nicotine, mg/cigt. FTC Water, mg/cigt.	C	omplete	0/1/24),, /	<i>></i> `	InTest		
FTC Puffs/cigt.		0.92	0(.124 0.34	/ '\$ \>	-	InTest	0 07	
Tar/Puff, mg		0.7	~ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	9		9.4	0,27	8
igarette		- 6	~/ ('			4.7 .7. 7		
Total RTD, mm of H2O	^	₹ 2009	4,6	25		119	4.6	25
Static Burn Time, min.	\searrow	× 2/2	0.24			7.2	0.11	4
Length, mm		(83.8	0.24	10		98.6	0.14	10
Circumference, mm		24,85	9.071	10		24.82	0.049	10
Paper		///	, ×			** **		
Permeability, CORESTA Units	<i>→</i> (<u> </u>	2.3	5		44	5.3	5
ilter		· \\ \ \ \ \ .						
RTD, mm of H2O	$\mathcal{A}(\mathcal{A})$	√84	5.2	25		143	7.4	22
Length, mm	`	> 26.9	0.23	10		30.7	0.17	10
Weight, g		\vee 0.14		A =		0.18		
Ventilation, %		25	2.4	25		56	1.5	25
Total Alkaloids, % (DWB)	/ // ,	2.22				2.46		
Total Red. Sugars, % (DWB)		9.4				2.46		
Reconstituted Tob., %	, \	=13				8.0		
Expanded Stems, %) · · · · · · · · · · · · · · · · · · ·	12	3 P			10 9		
Expanded Tob., %	' }	12	7 II - 4			18		
BBO, 8		ີ້ດັ				0		
Lamina,%		63	•			63		
Tobacco Weight, g		0.678				0.733		
Tobacco (Weight, /g/ (12.5%) OV)		0.681				0.736		
Rod Density 9/00		0.245				0.221		
Rod Length mm		56.7				67.8		
Oven Volatiles, % (Equil.)		12.1				12.1		
Menthol		•						
Smoke, mg/cigt.								
TPM, mg/cigt.		-						
Puffs/Cigt. Menthol/Puff, mg								
umectant/Plasticizer						,	-	
Triacetin in Filter, %		9.6				0.0		
Glycerin in Filler,%		<0.2	-	_		8.2		
PG in Filler,%		<0.2				<0.2 <0.2		
irmness (Pack)		(0,2				₹0.2		
Firmness, mm		2.59	0.072	3		2.93	0.140	3
Tobacco Weight, g			0.0015				0.0080	3
Oven Volatiles, %		12.71	0.087			12.80	0.040	3
			·	_				
otations:								
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PRODUCT TESTING LABORATORY Preliminary Laboratory Averages Report

Philip Morris USA Confidential

Report Date.: 07/18/97 09:55 AM

Request....: I9707 Submitter ...:

Request Type: ci

Description .:

Activity : 7A14 Reported By . . .: LAFFOON, SUSAN

Date Submitted:

Date Received .: 07/01/97

Date Completed:

Approved By ...: NOT APPROVED

* DATA HAS NOT HAD FINAL REVIEW/APPROVAL: SUBJECT TO CHANGE *

WL8, WS6, and WSL6 expanded tob. was slightly higher this testing E.T. is now avg. 11% previously 8%. WS6 and WSL6 blend increased in all three components (recon, es/ and et). WN6 and WN8 recon decreased. Both from 20%, to 12% (WN6), and 14% (WN8). StdDev WARNING CM₆ CIRC >Desired of 0.154/5/8 9/57 StdDev WARNING DII8 PERM 🜭 Desired of 4.00 StdDev WARNING DII8 TOTAL-RTD 9.00 >> Desired of StdDev WARNING DU8 VENT > Desired of 5.00 StdDev WARNING MO9 PERM 4.31/ > Desired of 4.00 StdDev WARNING мо 9м PERM > Desired of 4.60 4.00 StdDev WARNING NG4MB CIG-LEN D.43 Desired of 0.40 StdDev WARNING NO8 PERM 4.02 > Desired of 4.00 StdDev WARNING NW6M PACK-CFIRM 0.36 > Desired of 0.30 StdDev WARNING SG8M PLUG-RTD 9.82 > Desired of 9.00 StdDev WARNING SL8M > Desired of 4.00 PERM_{ 5.39 StdDev WARNING TH6PLUG=RTD 9.15 > Desired of 9.00 PACK-CIBWT PACK-CFIRM StdDev WARNING VE6 0.03 > Desired of 0.02 StdDev WARNING VUS 0.31 > Desired of 0.30 StdDev WARNING vent WIT.R 5.11 > Desired of 4,50 StdDev WARNING WN8 FLT-LEN 0.59 > Desired of 0.50

cc: Susan Laffoon

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